

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (currently amended): A pressure vessel liner comprising:

a tubular trunk and head plates for closing respective opposite end openings of the trunk, the trunk having a reinforcing member fixedly provided therein and extending longitudinally of the trunk for dividing interior of the trunk into a plurality of spaces, the head plates being joined to the reinforcing member,

wherein the head plates are joined to the reinforcing member by friction agitation, at least one of the head plates is in the form of an outwardly bulging dome, and an end portion of the reinforcing member adjacent to the domelike head plate projects outward beyond the trunk and fitted in the domelike head plate.

Claim 2 (original): A pressure vessel liner according to claim 1 wherein the combined length of joints between each of the head plates and the reinforcing member is at least 60% of the combined length of portions of the reinforcing member in contact with an inner surface of the head plate.

Claim 3 (canceled)

Claim 4 (original): A pressure vessel liner according to claim 1 wherein the head plates are formed separately from the trunk and are joined respectively to opposite ends of the trunk.

Claim 5 (original): A pressure vessel liner according to claim 1 wherein one of the head plates is formed integrally with one end of the trunk and the other head plate is formed separately from the trunk and joined to the other end of the trunk.

Claim 6 (canceled)

Claim 7 (currently amended): A pressure vessel liner according to claim 1 wherein ~~at least one of the head plates has a flat inner surface~~ one of the head plates has a flat inner surface.

Claim 8 (currently amended): A process for fabricating a pressure vessel liner according to claim 1 including extruding a tubular trunk having opposite open ends and a reinforcing member extending longitudinally of the trunk, ~~[[and]] forming two head plates, wherein at least one of the head plates is in the form of an outwardly bulging dome,~~ inserting the reinforcing member into the trunk in such a way that an end portion of the reinforcing member adjacent to the domelike head plate projects outward beyond the trunk, and the outwardly projecting portion of the reinforcing member is fitted in the domelike head plate, ~~[[and]] joining the trunk to the reinforcing member, [[and]] joining the two head plates respectively to the opposite ends of the trunk, and joining the two head plates to the reinforcing member~~ by friction agitation from outside the head plates.

Claim 9 (original): A process for fabricating a pressure vessel liner according to claim 8 wherein the trunk is joined to the reinforcing member by friction agitation from outside the trunk.

Claim 10 (original): A process for fabricating a pressure vessel liner according to claim 8 wherein one of the head plates is formed by forging and an outwardly extending projection is formed on an outer surface of said one head plate integrally therewith when said one head plate is formed by forging, and which includes providing a mouthpiece portion by forming a through bore extending from an outer end face of the projection to an inner surface of said one head plate after joining the two head plates respectively to the opposite ends of the trunk and joining the two head plates to the reinforcing member.

Claim 11 (canceled)

Claim 12 (currently amended): A process for fabricating a pressure vessel liner according to claim 1 including extruding a tubular trunk having opposite open ends and a reinforcing member extending longitudinally of the trunk, ~~[[and]]~~ dividing interior of the trunk into a plurality of spaces in the form of an integral assembly, wherein at least one of the head plates is in the form of an outwardly bulging dome, an end portion of the reinforcing member adjacent to the domelike head plate projecting outward beyond the trunk, outwardly projecting portion of the reinforcing member fitting in the domelike head plate, and forming two head plates, and joining the two head plates respectively to the opposite ends of the trunk and joining the two head plates to the reinforcing member by friction agitation from outside the head plates.

Claim 13 (original): A process for fabricating a pressure vessel liner according to claim 12 wherein one of the head plates is formed by forging and an outwardly extending projection is formed on an outer surface of said one head plate integrally therewith when said one head plate is formed by forging, and which includes providing a mouthpiece portion by forming a through bore extending from an outer end face of the projection to an inner surface of said one head plate after joining the two head plates respectively to the opposite ends of the trunk and joining the two head plates to the reinforcing member.

Claim 14 (canceled)

Claim 15 (currently amended): A process for fabricating a pressure vessel liner according to claim 1 including forming a tubular trunk having opposite open ends and a head plate for closing one of the open ends of the trunk by forging in the form of an integral assembly, forming a head plate for closing the other open end of the trunk, wherein at least one of the head plates is in the form of an outwardly bulging dome, extruding a reinforcing member extending longitudinally of the trunk, inserting the reinforcing member into the trunk in such a way that an end portion of the reinforcing member adjacent to the domelike head

plate projects outward beyond the trunk, and the outwardly projecting portion of the reinforcing member is fitted in the domelike head plate, [[and]] joining the trunk to the reinforcing member, [[and]] joining the head plate formed separately from the trunk to the other end of the trunk and joining the two head plates to the reinforcing member by friction agitation from outside the head plates.

Claim 16 (original): A process for fabricating a pressure vessel liner according to claim 15 wherein when the integral assembly of the trunk and the head plate is formed by forging, an outwardly extending projection is formed on an outer surface of the head plate integrally therewith, and which includes providing a mouthpiece portion by forming a through bore extending from an outer end face of the projection to an inner surface of the head plate after joining the head plate formed separately from the trunk to the other end of the trunk and joining the two head plates to the reinforcing member.

Claim 17 (original): A process for fabricating a pressure vessel liner according to claim 15 wherein the head plate for closing the other open end of the trunk is formed by forging, and an outwardly extending projection is integrally formed on an outer surface of the head plate to be formed by forging, and which includes providing a mouthpiece portion by forming a through bore extending from an outer end face of the projection to an inner surface of the head plate after joining the head plate formed separately from the trunk to the other end of the trunk and joining the two head plates to the reinforcing member.

Claim 18 (original): A process for fabricating a pressure vessel liner according to claim 15 wherein the trunk is joined to the reinforcing member by friction agitation from outside the trunk.

Claim 19 (canceled)

Claim 20 (previously presented): A pressure vessel comprising a pressure vessel liner according to claim 1 which is covered with a fiber reinforced resin layer over an outer peripheral surface thereof.

Claim 21 (original): A fuel cell system comprising a fuel hydrogen pressure vessel, a fuel cell and pressure piping for delivering fuel hydrogen gas from the pressure vessel to the fuel cell therethrough, the fuel hydrogen pressure vessel comprising a pressure vessel according to claim 20.

Claim 22 (original): A fuel cell motor vehicle having installed therein a fuel cell system according to claim 21.

Claim 23 (original): A cogeneration system comprising a fuel cell system according to claim 21.

Claim 24 (original): A natural gas supply system comprising a natural gas pressure vessel and pressure piping for delivering natural gas from the pressure vessel therethrough, the natural gas pressure vessel being a pressure vessel according to claim 20.

Claim 25 (original): A cogeneration system comprising a natural gas supply system according to claim 24, a generator and a generator drive device.

Claim 26 (original): A natural gas motor vehicle comprising a natural gas supply system according to claim 24 and an engine for use with natural gas as a fuel.